

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P1319985

Luminaire Tested: LDSQA3D09R359840DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359840DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 98CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

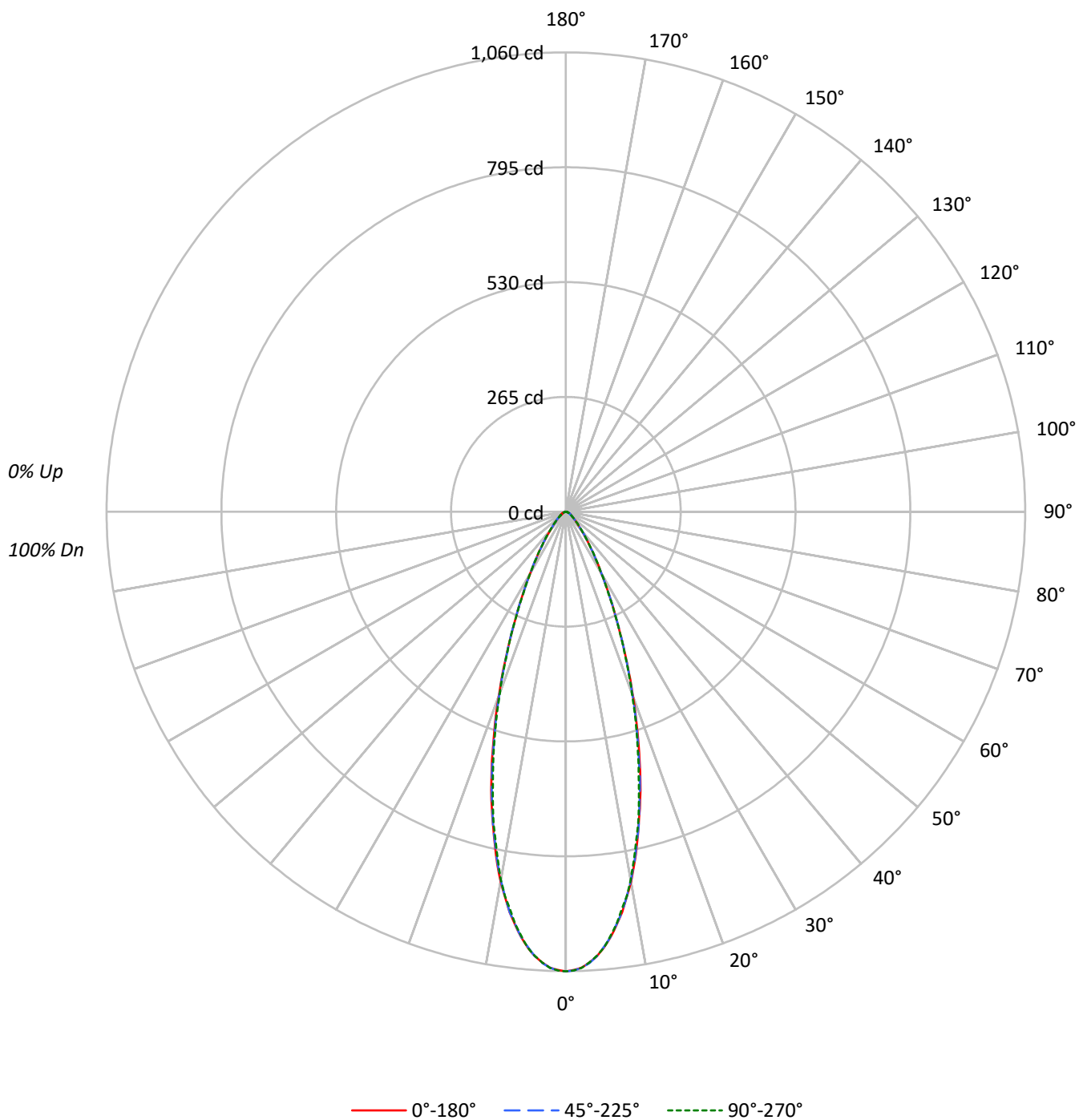
Lumens per Lamp: N/A
Luminaire Lumens: 523.0 lumens
Efficiency: N/A
Efficacy: 47.5 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	108	106	111	109	106	104	105	103	101		101	99	98		97
2	108	103	99	96	106	102	98	95	98	95	93		95	93	91		93
3	103	97	92	88	101	95	91	87	93	89	86		90	87	85		88
4	98	91	86	82	96	90	85	81	88	84	80		86	82	79		84
5	94	86	80	76	92	85	80	76	83	79	75		82	78	75		80
6	90	81	76	72	88	81	75	71	79	74	71		78	74	70		76
7	86	77	72	68	85	77	71	67	75	71	67		74	70	67		73
8	82	73	68	64	81	73	68	64	72	67	64		71	67	63		70
9	79	70	65	61	78	70	64	61	69	64	61		68	63	60		67
10	76	67	62	58	75	67	61	58	66	61	58		65	61	58		64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	182642	182642	182642
5°	174523	174212	174523
10°	151516	151008	150799
15°	118711	117784	115929
20°	83060	82309	81778
25°	52751	53074	52751
30°	32495	32733	32495
35°	20099	20226	20226
40°	12770	12905	12905
45°	8598	8744	8890
50°	6216	6377	6377
55°	4864	4864	4864
60°	3996	3996	3996
65°	3545	3545	3545
70°	3223	3223	3223
75°	2728	2728	2728
80°	2281	2281	2281
85°	1186	1186	2371

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 8890 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.6	17.5
10°-20°	180.4	34.5
20°-30°	130.2	24.9
30°-40°	62.8	12.0
40°-50°	28.9	5.5
50°-60°	15.0	2.9
60°-70°	8.7	1.7
70°-80°	4.4	0.8
80°-90°	1.0	0.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	402.3	76.9
0°-40°	465.1	88.9
0°-60°	509.0	97.3
0°-90°	523.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	523.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1060	1060	1060	1060	1060	
5°	1010	1012	1008	1008	1010	92
15°	666	665	661	658	650	182
25°	278	278	279	279	278	130
35°	96	96	96	96	96	62
45°	35	36	36	36	36	29
55°	16	16	16	16	16	15
65°	9	9	9	9	9	9
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1060.5	1060.5	1060.5	1060.5	1060.5
1°	1057.6	1059.3	1058.7	1059.3	1058.7
2°	1052.4	1053.5	1052.4	1052.9	1052.9
3°	1041.4	1042.5	1042.5	1041.9	1041.4
4°	1028.0	1030.9	1028.0	1028.6	1026.9
5°	1009.5	1011.8	1007.7	1008.3	1009.5
6°	986.9	987.5	986.3	985.7	984.6
7°	960.8	963.1	959.1	959.7	958.5
8°	933.0	932.4	932.4	930.1	926.6
9°	899.4	901.7	898.2	897.1	897.6
10°	866.4	866.4	863.5	860.6	862.3
11°	828.7	827.5	825.8	821.7	820.6
12°	787.5	789.9	784.6	782.9	778.8
13°	745.2	748.7	746.4	740.0	740.6
14°	705.8	703.5	701.8	700.6	696.6
15°	665.8	664.7	660.6	657.7	650.2
17.5°	556.3	557.5	549.9	548.8	545.9
20°	453.2	449.7	449.1	449.7	446.2
22.5°	357.6	361.0	357.0	357.6	355.2
25°	277.6	278.2	279.3	279.3	277.6
27.5°	215.6	215.6	214.4	215.6	213.8
30°	163.4	163.4	164.6	165.7	163.4
32.5°	126.3	126.3	126.3	126.9	127.5
35°	95.6	95.6	96.2	96.2	96.2
37.5°	73.6	74.2	74.8	74.8	74.8
40°	56.8	57.4	57.4	57.9	57.4
42.5°	45.2	45.2	45.2	45.8	45.8
45°	35.3	35.9	35.9	36.5	36.5
47.5°	29.0	29.0	29.0	29.6	29.6
50°	23.2	23.8	23.8	23.8	23.8
52.5°	19.1	19.1	19.7	19.7	19.7
55°	16.2	16.2	16.2	16.2	16.2
57.5°	13.3	13.9	13.9	13.9	13.9
60°	11.6	11.6	11.6	11.6	11.6
62.5°	9.9	9.9	9.9	9.9	9.9
65°	8.7	8.7	8.7	8.7	8.7
67.5°	7.0	7.5	7.5	7.5	7.5
70°	6.4	6.4	6.4	6.4	6.4
72.5°	4.6	5.2	5.2	5.2	5.2
75°	4.1	4.1	4.1	4.1	4.1
77.5°	3.5	2.9	2.9	2.9	3.5
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.6	0.6	0.6	0.6	1.2
87.5°	0.0	0.0	0.0	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)